

TOP SECRET

ONI DECLASSIFICATION/RELEASE INSTRUCTIONS ON FILE

THIS DOCUMENT CONTAINS CODE WORD MATERIAL

DOCUMENT NO. 1
NO CHANGE IN CLASS. ☒
IT DECLASSIFIED
CLASS. CHANGED TO: TS S C
NEXT REVIEW DATE: 2012
AUTH: HR 70-2
DATE: 17 FEB 82 REVIEWER: 018557

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TABLE 2
 Approved For Release 2001/08/31 : CIA-RDP79S01100A000200110002-5
 Submarine Characteristics of Selected Soviet Sub

	Year	1925	1929	1931	1932	1933	1934-40	1951	1957	1948	Estimated Percentages for "M"	"M" Class
	Name	Marshall SS167	Dolphin SS169	Cachalet	Soviet S-1 Series 9	Porpoise SS172	Corsair SS435 WW II Fleet Type	EB Des 231 EA both based on Mack-erel SS-234 design in 1939	EB Des 231 - J	Tang. SS 563		
	Unit											
1. Displacement, light ship Condition "A"	Tons salt water					1260	1520			1610		750
2. % Condition "M"						89	83			90	83	
3. Displacement, Standard	Tons salt water	2730	1540	1110	780	1314	1570	825	900	1656		600
4. % Condition "M"		90	89	89	93	93	86	87	89	93	89	
5. Displacement, surface diving trim, normal fuel. Condition "M"	Tons salt water	3033	1716	1240	840	1416	1830	950	1010	1786		900
6. Displacement, surface diving trim, maximum fuel. Condition "M"	Tons salt water				960	1650	2020			2340		1030
7. % Condition "M"					115	116	110			114	115	
8. Displacement, submerged. Condition "M-sub" or "M-sub"	Tons salt water	4004	2240	1662	1070	1934	2428	1400	1460	2270		1180
9. % Condition "M"		133	81	134	128	137	133	148	145	127	131	
10. Normal Fuel	Tons diesel F.O.				24	90	203	54	149	125		72
11. % Condition "M"					3	6	11	6	15	7	8	
12. Fuel Ballast	Tons diesel F.O.				100	195	167	-	-	215		108
13. % Condition "M"					12	14	9	-	-	12	12	
14. Total Fuel	Tons diesel F.O.				124	285	360	54	149	340		180
15. % Condition "M"					15	20	20	6	15	19	20	
16. Displacement, mainballast fuel ballast and safety tanks	Tons salt water	971	524	422	230	518	598	450	450	484		280
17. % Condition "M"		32	31	34	27	36	33	48	45	27	31	
18. Displacement, main ballast and safety.	Tons Salt Water	971	524	422	110	284	408	450	450	230		150
19. % Condition "M"		32	31	34	13	20	22	48	45	13	17	
Length overall	feet				255'-10"	301	312	243	247	269		240
Beam	feet				21'	25	27	22	22	27		22
Draft	feet				14'-5"	16	17	13'-10"	14'-2"	19		15
Block Coef. (Con. M)	--				.43	.48	.49	.45	.46	.515		.455
Length Beam ratio					11.6		11.6	11.	11.2	10		10.9
Displacement Length ratio	$\frac{\Delta}{(LWL)^3}$				57		67.5	66	67	105		74

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